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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1488.036000A/EKS/AJKAPPLICATION NO.
09/345,373APPLICANT
RUBEN *et al.*FILING DATE
July 1, 1999GROUP
1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
CK	AA1	5,194,596	03/16/1993	Tischer <i>et al.</i>	530	399	12/14/1989
	AB1	5,350,836	09/27/1994	Kopchick <i>et al.</i>	530	399	05/04/1992
	AC1	5,580,856	12/03/1996	Prestrelski <i>et al.</i>	514	21	07/15/1994
	AD1	5,677,278	10/14/1997	Gospodarowicz <i>et al.</i>	514	12	03/27/1995
	AE1	5,703,047	12/30/1997	Wilson, S.E.	514	12	03/09/1995
	AF1	5,731,170	03/24/1998	Rubin <i>et al.</i>	435	69.4	06/07/1995
	AG1	5,773,586	06/30/1998	Gospodarowicz <i>et al.</i>	530	399	06/06/1995
	AH1	5,814,605	09/29/1998	Pierce <i>et al.</i>	514	12	06/06/1995
	AI1	5,824,643	10/20/1998	Pierce <i>et al.</i>	514	12	06/07/1995
	AJ1	5,843,883	12/01/1998	Gospodarowicz <i>et al.</i>	468	547	06/06/1995
CK	AK1	5,863,767	01/26/1999	Gospodarowicz <i>et al.</i>	435	694	06/06/1995

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
CK	AL1	WO 90/08771	08/09/1990	WIPO			Yes No
	AM1	WO 92/14480	09/03/1992	WIPO			Yes No
	AN1	WO 92/22304	12/23/1992	WIPO			Yes No
	AO1	WO 93/21908	11/11/1993	WIPO			Yes No
CK	AP1	WO 94/22427	10/13/1994	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CK	AR	1	Finch, P. W. <i>et al.</i> , "Human KGF Is FGF-Related with Properties of a Paracrine Effector of Epithelial Cell Growth," <i>Science</i> 245:752-755 (1989).
CK	AS	1	Hartung, H. <i>et al.</i> , "Murine FGF-12 and FGF-13: expression in embryonic nervous system, connective tissue and heart," <i>Mech. Develop.</i> 64:31-39 (June 1997).
CK	AT	1	Hartung, H. <i>et al.</i> , "Assignment ^a of <i>Fgf12</i> to mouse chromosome bands 16B1→B3 in situ hybridization," <i>Cytogenet. Cell Genet.</i> 76:185-186 (April 1997).

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C. Saoud

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ck	AL2	WO 94/23032	10/13/1994	WIPO			Yes No
	AM2	WO 95/01434	01/12/1995	WIPO			Yes No
	AN2	WO 95/03831	02/09/1995	WIPO			Yes No
	AO2	WO 95/24928	09/21/1995	WIPO			Yes No
ck	AP2	JP 7-345689	12/07/1995	Japan			X Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

ck	AR	2	Jimenez, P. <i>et al.</i> , "Effect of Topical Keratinocyte Growth Factor-2 on Wound Healing In A Glucocorticoid-Impaired Model," <i>J. Cutan. Pathol.</i> 24:105 (February 1997).
ck	AS	2	Jimenez, P.A. <i>et al.</i> , "Effect of Keratinocyte Growth Factor-2 on Cell Proliferation <i>In Vivo</i> ," <i>FASEB J.</i> 11:AS23, Abstract No. 3025 (April 1997).
ck	AT	2	Kelley, M. J. <i>et al.</i> , "Emergence of the keratinocyte growth factor multigene family during the great ape radiation," <i>Proc. Natl. Acad. Sci. USA</i> 89:9287-9291 (1992).

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CA	AL3	JP 8-103240	03/28/1996	Japan			X Yes No
I	AM3	WO 96/11949	04/25/1996	WIPO			Yes No
I	AN3	WO 96/11950	04/25/1996	WIPO			Yes No
I	A03	WO 96/11951	04/25/1996	WIPO			Yes No
CA	AP3	WO 96/11952	04/25/1996	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CA	AR	3	Mason, I. J. <i>et al.</i> , "FGF-7 (keratinocyte growth factor) expression during mouse development suggests roles in myogenesis, forebrain regionalisation and epithelial-mesenchymal interactions," <i>Mech. Dev.</i> 45:15-30 (January 1994).
CA	AS	3	Miyamoto, M. <i>et al.</i> , "Molecular Cloning of a Novel Cytokine cDNA Encoding the Ninth Member of the Fibroblast Growth Factor Family, Which Has a Unique Secretion Property," <i>Mol. Cell. Biol.</i> 13(7):4251-4259 (1993).
CA	AT	3	Ron, D. <i>et al.</i> , "Expression of Biologically Active Recombinant Keratinocyte Growth Factor," <i>J. Biol. Chem.</i> 268(4):2984-2988 (1993).

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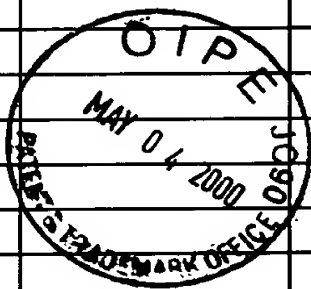
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CA	AL4	JP 8-214378	07/24/1996	Japan			X Yes No
	AM4	WO 96/22369	07/25/1996	WIPO			Yes No
	AN4	WO 96/25422	08/22/1996	WIPO			Yes No
	AO4	WO 97/20929	12/06/1997	WIPO			X Yes No
CA	AP4	WO 98/16642	04/23/1998	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CA	AR	4	Yamasaki, M. <i>et al.</i> , "Structure and Expression of the Rat mRNA Encoding a Novel Member of the Fibroblast Growth Factor Family," <i>J. Biol. Chem.</i> 271:15918-15921 (July 1996).
CA	AS	4	Yan, G. <i>et al.</i> , "Sequence of Rat Keratinocyte Growth Factor (Heparin-Binding Growth Factor Type 7)," <i>In Vitro Cell. Dev. Biol.</i> 27A:437-438 (1991).
CA	AT	4	NCBI Entrez, GenBank Report with Revision History, Accession No. M79878, McCombie, W.R. <i>et al.</i> (1992).

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CA	AL5	WO 98/16243	04/23/1998	WIPO	/	/	Yes No
	AM5	WO 98/06844	02/19/1998	WIPO	/	/	Yes No
	AN5	GB 2 321 852 A	08/12/1998	Great Britain	/	/	Yes No
	A05	JP 10-330283	12/15/1998	Japan	/	/	X Yes No
CA	AP5	JP 10-330284	12/15/1998	Japan	/	/	X Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CA	AR	5	NCBI Entrez, GenBank Report with Revision History, Accession No. T52063, Hillier, L. <i>et al.</i> (February 1995).
CA	AS	5	NCBI Entrez, GenBank Report with Revision History, Accession No. D46201, Sasaki, T. <i>et al.</i> (August 1995).
CA	AT	5	NCBI Entrez, GenBank Report with Revision History, Accession No. D46420, Sasaki, T. <i>et al.</i> (August 1995).

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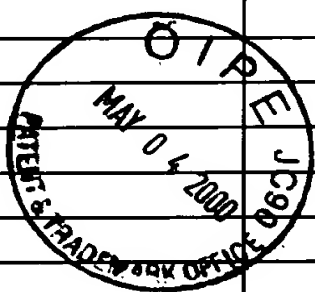
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<i>Ch</i>	AL6	JP 10-330285	12/15/1998	Japan	/	/	X Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>Ch</i>	AR	<u>6</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. D54216, Fujiwara, T. <i>et al.</i> (September 1995).
<i>Ch</i>	AS	<u>6</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. D68729, Kohara, Y. <i>et al.</i> (December 1995).
<i>Ch</i>	AT	<u>6</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. D69248, Kohara, Y. <i>et al.</i> (December 1995).

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CK	AR	7	NCBI Entrez, GenBank Report with Revision History, Accession No. D65627, Kohara, Y. <i>et al.</i> (December 1995).
CK	AS	7	NCBI Entrez, GenBank Report with Revision History, Accession No. D66221, Kohara, Y. <i>et al.</i> (December 1995).
CK	AT	7	NCBI Entrez, GenBank Report with Revision History, Accession No. C02000, Okubo, K. (July 1996).

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	AL						Yes No
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CA	AR	<u>8</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. W29377, Marra, M. <i>et al.</i> (September 1996).
CA	AS	<u>8</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. W32720, Hillier, L. <i>et al.</i> (October 1996).
CA	AT	<u>8</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. W60824, Hillier, L. <i>et al.</i> (October 1996).

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<i>Cs</i>	AR	2	NCBI Entrez, GenBank Report with Revision History, Accession No. T70682, Shen, B. <i>et al.</i> (October 1996).
<i>Cs</i>	AS	2	NCBI Entrez, GenBank Report with Revision History, Accession No. AA094753, Liew, C.C. (October 1996).
<i>Cs</i>	AT	2	NCBI Entrez, GenBank Report with Revision History, Accession No. AA133331, Hillier, L. <i>et al.</i> (November 1996).

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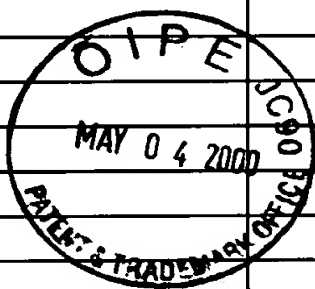
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Ch	AR	10	NCBI Entrez, GenBank Report with Revision History, Accession No. AA190058, Marra, M. <i>et al.</i> (January 1997).
Ch	AS	10	NCBI Entrez, GenBank Report with Revision History, Accession No. AA018953, Hillier, L. <i>et al.</i> (January 1997).
Ch	AT	10	NCBI Entrez, GenBank Report with Revision History, Accession No. AA240978, Marra, M. <i>et al.</i> (March 1997).

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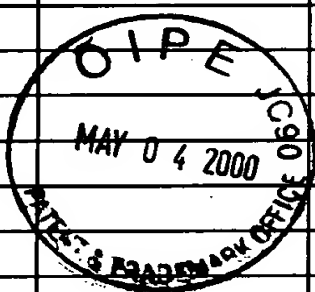
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CA	AR	11	NCBI Entrez, GenBank Report with Revision History, Accession No. AA289560, Marra, M. <i>et al.</i> (April 1997).
CA	AS	11	NCBI Entrez, GenBank Report with Revision History, Accession No. AA296993, Adams, M.D. <i>et al.</i> (April 1997).
CA	AT	11	NCBI Entrez, GenBank Report with Revision History, Accession No. AA298937, Adams, M.D. <i>et al.</i> (April 1997).

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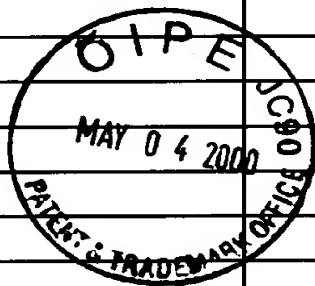
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<i>Cs</i>	AR	<u>12</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. AA312184, Adams, M.D. <i>et al.</i> (April 1997).
<i>Cs</i>	AS	<u>12</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. AA312483, Adams, M.D. <i>et al.</i> (April 1997).
<i>CA</i>	AT	<u>12</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. AA356781, Adams, M.D. <i>et al.</i> (April 1997).

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CA	AR	13	NCBI Entrez, GenBank Report with Revision History, Accession No. AA412789, Marra, M. <i>et al.</i> (May 1997).
CA	AS	13	NCBI Entrez, GenBank Report with Revision History, Accession No. AA472256, Marra, M. <i>et al.</i> (June 1997).
CA	AT	13	NCBI Entrez, GenBank Report with Revision History, Accession No. C38464, Kohara, Y. <i>et al.</i> (September 1997).

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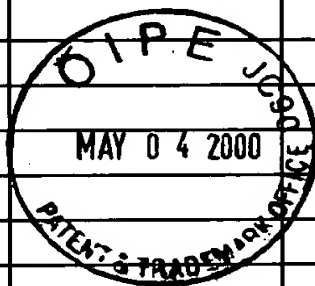
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FOREIGN PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>CS</i>	AR	<u>14</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. C56505, Kohara, Y. <i>et al.</i> (September 1997).
<i>CS</i>	AS	<u>14</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. C57074, Kohara, Y. <i>et al.</i> (September 1997).
<i>CS</i>	AT	<u>14</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. C58558, Kohara, Y. <i>et al.</i> (September 1997).

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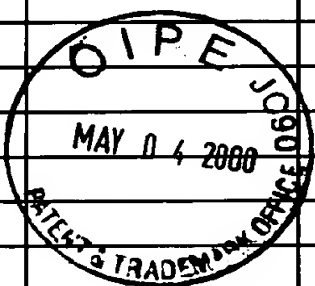
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

C+	AR	15	NCBI Entrez, GenBank Report with Revision History, Accession No. C58846, Kohara, Y. <i>et al.</i> (September 1997).
C+	AS	15	NCBI Entrez, GenBank Report with Revision History, Accession No. C59317, Kohara, Y. <i>et al.</i> (September 1997).
C+	AT	15	NCBI Entrez, GenBank Report with Revision History, Accession No. C59311, Kohara, Y. <i>et al.</i> (September 1997).

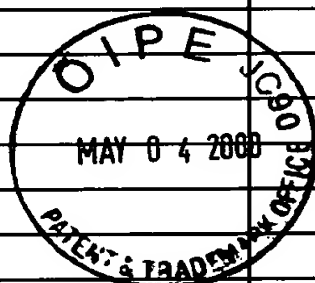
EXAMINER <i>C. Saoud</i>	DATE CONSIDERED <i>11/13/01</i>
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	AM						Yes No
	AN						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CA	AR	16	NCBI Entrez, GenBank Report with Revision History, Accession No. AA605609, Clark, M. <i>et al.</i> (September 1997).
CA	AS	16	NCBI Entrez, GenBank Report with Revision History, Accession No. AA621871, NCI-CGAP (October 1997).
CA	AT	16	NCBI Entrez, GenBank Report with Revision History, Accession No. AA621888, NCI-CGAP (October 1997).

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CA	AR	17	NCBI Entrez, GenBank Report with Revision History, Accession No. AA675470, Marra, M. <i>et al.</i> (November 1997).
CA	AS	17	NCBI Entrez, GenBank Report with Revision History, Accession No. AA675519, Marra, M. <i>et al.</i> (November 1997).
CA	AT	17	NCBI Entrez, GenBank Report with Revision History, Accession No. AA838994, Marra, M. <i>et al.</i> (February 1998).

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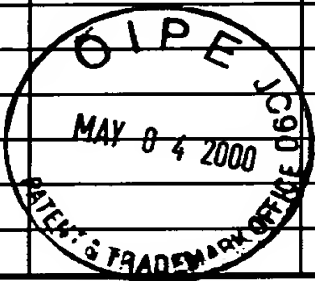
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CA	AR	<u>18</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. H35048, Lee, N.H. <i>et al.</i> (April 1998).
CA	AS	<u>18</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. AA906051, NCI-CGAP (May 1998).
CA	AT	<u>18</u>	NCBI Entrez, GenBank Report with Revision History, Accession No. C78836, Ko, M.S.H. <i>et al.</i> (June 1998).

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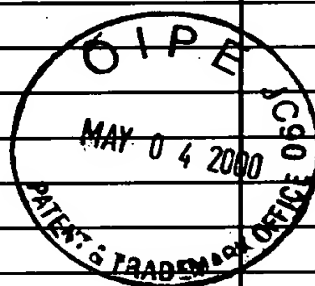
CA	AR	19	English language translation of JP 7-345689 (Document AP2).
CA	AS	19	English language translation of JP 8-103240 (Document AL3).
CA	AT	19	English language translation of JP 8-214378 (Document AL4).

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	AM						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>CS</i>	AR	<u>20</u>	English language translation of WO 97/20929 (Document A04).
<i>CS</i>	AS	<u>20</u>	English language translation of JP 10-330283 (Document A05).
<i>CS</i>	AT	<u>20</u>	English language translation of JP 10-330284 (Document AP5).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>CL</i>	AR	<u>21</u>	English language translation of JP 10-330285 (Document AL6).
<i>CL</i>	AS	<u>21</u>	International Search Report for International Application No. PCT/US95/01790, filed June 7, 1995.
	AT		

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